Final bill

Recorded on:-

Job Number:- 002-20-000013

M. A. R. 57 (Rule 116) No. E

Measurement Book

493146

Serial No. .....

Work order No:- BBMP/EE/YNK.D/10.0/000155/2019-20. Date 08/11/2019

Name of work ... Improvements to roads and drains at Basavarthi Thota, Kamakshamma Layout, Kondappa Layout From ECST corner To corner No-02 of Yelahanka Subdivision

Name of Contractor of nature of Agency M/s. Technical manager (west) KRIDL, Bangalore, 5th Block, 17th main Shivakumar Swamy Building, Thyagaraja Circle, Bangalore-560010.

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(1) Removing and refixing stone slabs of drains and pointing in cm (1:3) etc as per Specifications.						
	Quantity vide, As per pre-measurement are prepared in excell books and page no of:- (1) :-					661.88 m² @ Rs. 111.30	₹3,666.69
	(2) KSRRB 300 - Excavation for road, drains and similar works KSRR -B 300-1. Earthworks excavation by manual means in ordinary soil involving an average horizontal throw up to 2 meters and an average lift up to 0.5m, excavated surface levelled and sides neatly						

MEASUREMENT BOOK

Date	Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Dimensions: Depth	Contents	Abstract: Measurement
1	2	3	4	5	6	7	8
	dressed. Stone pcs Specifications. Quantity vide AR pcs pre-measurements in excell book and Page no of:-						
	① :- Providing and laying plain Cement Concrete 1:3:6 with 40mm nominal size Granite metal Course aggregates Qty 215.28					783.24 m3	
	② KSRR m2108-10. Providing and laying Cement Concrete 1:3:6 with 40mm nominal size Granite metal Course aggregates Qty 168.615 m3						
	Cum and fine aggregates Qty 46 Cum. in foundation and Compacted by Down Side Grouted -mically mixed, placed in foundation curing for 14days including Cost Vibration including Labours, Hom curing etc as per Specifications of all materials,						

M. A. R. 57 (Rule 116) No. E
Measurement Book

433147

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Quantity vide, AS per pre-measurement are prepared in excell book and page no of:- ① :- 70.63 m³ CRS. 5421.90					3,82,957.28	
	④ Providing and Laying plain/reinforced cement Concrete for side drains using m20 nominal mix Concrete with ope @ 300 kgs. with 20mm and down size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well Compacted for walls and bottom including Centering & shuttering Cost of materials						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Hom of machinery during etc.. Complete as per Specifications. Quantity vide, AB per enclosurement are prepared in excell book and page no of:-						
	⑤ KSRR3-M2300-14: Providing :- ① :- Prepared 89.79 m³						
	R.C.C works including Stwishtening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and workmanship to the adjoining members wherever necessary Complete as per design & specifications.						

Quantity vide, AB per enclosurement
in excell book and page no of:-

⑤ Providing and placing RCC
in Cement Concrete 1:1.5:3
mix with steel reinforcement
bars and Concrete

M. A. R. 57 (Rule 116) No. E 493148

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Quantity vide, AR per pre-measurement are prepared in excell book and page no of :- ② :- 6.61 Tonnes @ Rs. 73,992.24						4,89,132.01
	⑥ Providing and fixing Rcc precast Cover Slab of 100mm Thick for drain in Cement Concrete 1:1.5:3 using graded granite jelly 20mm and down Size with Steel reinforcement, including forum work, lift charges, Curing and Concrete finished Surfaces on both Sides etc as per Specifications						
	Quantity vide, AR per measurement are prepared in						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Estell book and Page no of:-						
	① Providing and fixing RCC precast Cover slab of 250mm thick made out of cc 1:2:4 and fully Zoom and downsize with steel reinforcement including formwork, liftchargh curing and Concrete finished surfaces on both sides etc as per Specifications.					590.57 m² @Rs. 2337.00	13,80,150/-
	Quantity vide, As per measurement are prepared in estell book and Page no of:-					28.80 m² @Rs 5418.00	1,56,038/-
	② K.S.R.R.W. 2022-24 Dismantling of cement Concrete pavement by mechanical means using pneumatic tools, breaking it						

Fullscreen

Providing and fixing RCC precast Cover slab of 250mm thick made out of cc 1:2:4 and fully Zoom and downsize with steel reinforcement including formwork, liftchargh curing and Concrete finished surfaces on both sides etc as per Specifications.

Quantity vide, As per pre-measurement are prepared in estell book and Page no of:-

K.S.R.R.W. 2022-24 Dismantling of cement Concrete pavement by mechanical means using pneumatic tools, breaking it

Providing and fixing RCC precast Cover slab of 250mm thick made out of cc 1:2:4 and fully Zoom and downsize with steel reinforcement including formwork, liftchargh curing and Concrete finished surfaces on both sides etc as per Specifications.

Quantity vide, As per pre-measurement are prepared in estell book and Page no of:-

K.S.R.R.W. 2022-24 Dismantling of cement Concrete pavement by mechanical means using pneumatic tools, breaking it

Providing and fixing RCC precast Cover slab of 250mm thick made out of cc 1:2:4 and fully Zoom and downsize with steel reinforcement including formwork, liftchargh curing and Concrete finished surfaces on both sides etc as per Specifications.

Quantity vide, As per pre-measurement are prepared in estell book and Page no of:-

K.S.R.R.W. 2022-24 Dismantling of cement Concrete pavement by mechanical means using pneumatic tools, breaking it

M. A. R. 57 (Rule 116) No. E
Measurement Book

493149

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
	2	3	4	5	6	7	8
	pieces not exceeding 0.02 Cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable & unserviceable materials separately Complete as per specifications.						
	Quantity vide, As per pre-measurement are prepared in excell book and page no of:- (3) :-				32.46 m³		
					@Rs 973.42		31,599.48
(9)	Constructing un-reinforced, plain cement concrete for pavements using grade concrete m30 with opc at 360 kg/cum and coarse aggrega to 0.69 cum, fine aggregate 0.46 cum. over an prepared bade with opc coarse						

MEASUREMENT BOOK

Date	Full description, etc. of work	Number	Dimensions: Length	Breadth	Depth	Contents
1	2	3	4	5	6	7
	aggregate at 0.69 cum, fine aggregates Confirming to IS: 383- 2016 and Specifications. Quantity vide, AS per measurement and page no of:- ③. one prepared in excell book and @ Rs. 510.96 per cum.					
	⑮ Vacuum de-watering with vacuum pump and suction mat and Compaction with Skin Floating dubbed with Floating disc including Cost of Generator, Hon of machinery & Gred vibratory Power Floatur blade and disc etc as per Specifi Cation. Quantity vide, AS per measurement are prepared					

M. A. R. 57 (Rule 116) No. E 493150
Measurement Book

ial No. .....
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te	Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
	2	3	4	5	6	7	8
	in excell book and page no of:- ③:- 1621.31 m² @Rs. 72.08						11699.42
	(11) Construction of granular Sub-base grading-V as Sub-base and drainage layer by providing Coarle graded Crushed Stone aggregates of granite/ trap/ basalt material, mixing in a mechanical mix plant at one ete as per Specifications. Quantity vide As per pre-measurement are prepared in excell book and page no of:- ④:- 241.20 m³ @Rs. 1994.92						4,81174.70

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(12)	KSRR mtem-17. Providing, Laying, Spreading and Compacting Crushed stone aggregates of granite/trap/basalt to wet mix macadam Specifications including premixing the material with water at OMC in mechanical mix plant Carriage of mixed materials by tipper to site. As per Specification Quantity vide AB per pre-measurement are prepared in excell book and page no of CRS 2001.28 Cost with						
(13)	KSRR mtem-6. Providing and applying Primer S.S. bitumen emulsion on prepared surface of granular						

M. A. R. 57 (Rule 116) No. E 493151

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	base Such as comm including cleaning of road Surface and Spraying primer at the rate of 0.60 Kg/ Sqm using mechanical means Complete as per Specifications.						
	Quantity vide AR per pre-measurements are prepared in excell book and page no of:- (4):- 3893.04 m²					1,32,057.78	
						SRS. 3392	
(14)	KSRRB cl 500-17. Providing and laying dense graded bituminous macadam using Crushed aggregates of Specified grading, premixed with VG30 grade bituminous binder and transporting the hot mix to work site						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Laying to the required grade, level and camber with smooth wheeled vibratory tandem rollers to achieve the desired compaction in all respects Complete as per Specifications. Quantity vide AR per pre-measurement and prepared in cash book and page no. of:- (5)						
	(15) KSRRIS 500-7: Providing and applying tack coat using 80/100 grade bitumen (VG10) on the prepared blacktopped surfaces at 2.5 kg per 10 Sqm. heating bitumen in boiler fitted with Spray set etc as per Specifications.						

M. A. R. 57 (Rule 116) No. E 493152

Measurement Book

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Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	Quantity vide, AR per pre-measurement are prepared in excell book and page no of:- (5) : 5505.09 m² @ R.S. 12.72					70024.74	
	(16) Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading premixed with bituminous binder and filler transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled steel as per specification.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Number	Dimensions: Length	Breadth	Depth	Contents
1	2	3	4	5	6	7
	Quantity vide, As per measurement prepared in excell book and Page no of:-					
	(5) :- 220.20 m2					
	(14) KSRRB MSD-13. Road marking with reflectorising glass beads on bituminous surface:- Providing and laying of applied Thermoplastic Compound 2.5mm thick including reflectorising glass beads at 250 gms per Sqm as per specifications. Quantity vide, As per measurement are prepared					
	CRS. 8699.42					191569.64
	Applied Thermo Plastic Compound with hot					

M. A. R. 57 (Rule 116)
Measurement Book

No. E 493153

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Date	Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Dimensions: Depth	Contents	Reference to last Measurement
	2	3	4	5	6	7	8
	in excell book and page no of:- ⑥ :-				221.00 m² @ Rs. 454.74		100497.54
					Sub Total Amount	Rs =	83,55,672.11
					Add KRIDL @ 4%	Rs =	3,34,226.88
					Add GST @ 12%	Rs =	10,02,680.65
					Total Amount	Rs =	96,92,579.65

Asst. Executive Engineer
Yelahanka Sub. Division
BBMP Ynk. Zone
Bangalore
9/11/2020

Asst. Executive Engineer
Yelahanka / Yashv
KRIDL, BBI...
Asst Executive Engineer
Yelahanka
Yashwanthpura Sub
KRIDL BBMP Bangalore

AE-02

CERTIFICATE:-

① Certified that the above works done is Satisfactory Completed

② Certified That the, There is no defects have been cleared to Rite.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	L=25.00mtrs						
	BSNP office Road						
	Kure Kodi Road						
	AD Colony						
	L=179.00mtrs						
	L=368.00mtrs						
Received 4/01/2020 AE-02							
	Asst. Executive Engineer Yelahanka Division (Bc Zn) Yelahanka galore						

M. A. R. 57 (Rule 116) No. E

Measurement Book

493154

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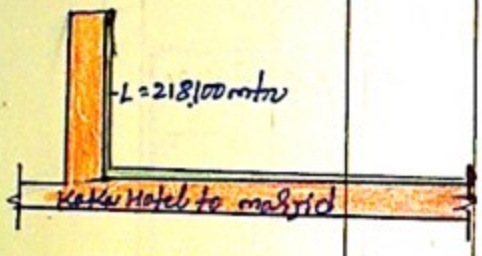
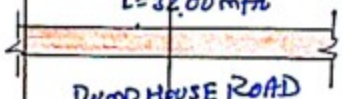
ate of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

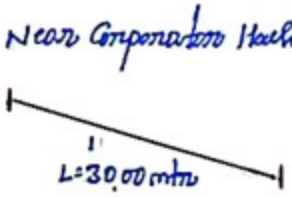


INDEX :-

- Existing BC Roads
- R.C drain
- Existing Roads



Pump House ROAD



Accepted 4/11/2020

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Measurements 8
	Gross Amt =Rs 9692580-00 FSD =Rs 484629-00 CGST = Rs 86541-00 SGST = Rs 86541-00 IT = Rs 103853-00 LC = Rs 96925-00 CBF = Rs 96925-00 Royalty =Rs 89354-00 I. D. = Rs 104253-00 Net Amt=Rs 8645046-00	SBC No. 77	19-20 13-01-2020				
	Audited Admitted Rs. 9692580-00 and Rs. 8645046-00 Accts. Officer Voluntary Deduction Cheque Voluntary Deduction						